BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2020-21/OW/WORK_INDENT42429

APPROVED SCHEDULE - B

No.EE/BTP/BBMP/E-PMT/09/2020-21, Date: 12.11.2020

Name of Work:Improvements to roads and drains at Munibyrappa Layout Chamundeshwari Temple and Surrounding area in ward no 09 (Vidyaranyapura)

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of R S THYAGARAJ ( )	
				In Figures	In Words
1	411.3	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum	243.88	Rupees Two Hundred Forty Three and Eighty Eight Paise Only
2	1683.45	Removing and refixing stone slabs of drains and pointing in CM (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm	111.3	Rupees One Hundred Eleven and Thirty Paise Only
3	416.95	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	742.0	Rupees Seven Hundred Forty Two Only
4	1.8	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	5421.9	Rupees Five Thousand Four Hundred Twenty One and Ninety Paise Only
5	5.67	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	5811.95	Rupees Five Thousand Eight Hundred Eleven and Ninety Five Paise Only
6	21.6	Providing ruled pointing 20 mm deep to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	150.52	Rupees One Hundred Fifty and Fifty Two Paise Only
7	9	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved).	Sqm	5418.0	Rupees Five Thousand Four Hundred Eighteen Only
8	320	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	979.44	Rupees Nine Hundred Seventy Nine and Forty Four Paise Only
9	41.2	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	5599.98	Rupees Five Thousand Five Hundred Ninety Nine and Ninety Eight Paise Only
10	360	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	966.72	Rupees Nine Hundred Sixty Six and Seventy Two Paise Only
11	1000	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) etc complete as per specifications and directions of engineer in charge of the work	M	61.48	Rupees Sixty One and Forty Eight Paise Only

Signature of the contractor

Executive Engineer

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of R S THYAGARAJ ( )	
				In Figures	In Words
12	1096	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges etc complete as per specifications and directions of engineer in charge of the work	Sqm	95.4	Rupees Ninety Five and Forty Paise Only
13	287.08	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work	Cum	2001.28	Rupees Two Thousand One and Twenty Eight Paise Only
14	1166	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means etc complete as per specifications and directions of engineer in charge of the work	Sqm	36.04	Rupees Thirty Six and Four Paise Only
15	53.93	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen etc complete as per specifications and directions of engineer in charge of the work	Cum	5551.22	Rupees Five Thousand Five Hundred Fifty One and Twenty Two Paise Only
16	2560	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work	Sqm	5.3	Rupees Five and Thirty Paise Only
17	2560	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work	Sqm	14.84	Rupees Fourteen and Eighty Four Paise Only
18	102.4	using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen etc complete as per specifications and directions of engineer in charge of the work	Cum	7512.5	Rupees Seven Thousand Five Hundred Twelve and Fifty Paise Only
19	95	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes etc complete as per specifications and directions of engineer in charge of the work	Sqm	454.74	Rupees Four Hundred Fifty Four and Seventy Four Paise Only

Signature of the Contractor

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Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92